



Fig. S1 Scaling of estimated femur blood flow rate (\dot{Q}) on body mass in the three groups of extinct kangaroos. The allometric equations for femoral blood flow rate (\dot{Q} ; ml s⁻¹) on body mass (M_b ; g) are $\dot{Q} = 5.21 \times 10^{-4} M_b^{0.35 \pm 0.56}$ (95% CI) for 14 extinct *Macropus* individuals, and $\dot{Q} = 3.72 \times 10^{-5} M_b^{0.61 \pm 0.29}$ for 48 Sthenurinae individuals. The *Protemnodon* individuals are superimposed only. Data are on log-log axes. The dotted lines delineate the 95% confidence intervals for each regression mean.